Docket No.: E3331.0587/P587 (PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Michael Togher, et al.

Application No.: Not Yet Assigned (Divisional of

Group Art Unit: N/A

Appln. No.: 09/563,461)

Filed: Concurrently herewith Examiner: Not Yet Assigned

For: CREDIT MANAGEMENT FOR

ELECTRONIC BROKERAGE SYSTEM

## **INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This application is a divisional of application Serial No. 09/563,461, filed May 2, 2000, which is a continuation of application Serial No. 09/169,884, filed October 12, 1998, which is a continuation of application Serial No. 08/665,594, filed June 18, 1996, which has issued as U.S. Patent No. 6,014,627, which is a continuation of application Serial No. 08/324,843, filed Oct. 18, 1994, now abandoned, which is a continuation of Serial. No. 07/830,408, filed Feb. 3, 1992, which has issued as U.S. Patent. No. 5,375,055.

This Information Disclosure Statement is submitted herewith citing the art of record in the parent. In accordance with Office practice, no copies of the cited references are submitted herewith. Of course, copies of any reference will be provided upon request.

## Timing of Filing of the Information Disclosure Statement:

This IDS is being filed before the First Office Action¹.  This IDS is being filed after the issuance of the First Office Action but before the issuance of a Final Office Action².  This IDS is being filed after the issuance of a Final Office Action but before the payment of the Final Fee³.  Certifications:  If checked, the undersigned makes the following statement(s):  Statement under 37 CFR 1.97(e):  Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement; and/or		
issuance of a Final Office Action <sup>2</sup> .  This IDS is being filed after the issuance of a Final Office Action but before the payment of the Final Fee <sup>3</sup> .  Certifications:  If checked, the undersigned makes the following statement(s):  Statement under 37 CFR 1.97(e):  Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this	x	This IDS is being filed before the First Office Action <sup>1</sup> .
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foreign application not more than three months prior to the filing of this		Each item of information contained in this information disclosure statement was
		first cited in any communication from a foreign patent office in a counterpart
information disclosure statement; and/or		foreign application not more than three months prior to the filing of this
		information disclosure statement; and/or

No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this information disclosure

<sup>&</sup>lt;sup>1</sup> The IDS should, where possible, include a certification under 37 CFR § 1.97(e).

<sup>&</sup>lt;sup>2</sup> The IDS must include either a certification under 37 CFR § 1.97(e) or the fee set forth in 37 CFR § 1.17(p)

<sup>&</sup>lt;sup>3</sup> The IDS must include both a certification under 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p).

statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the information disclosure statement.

Statement under 37 CFR 1.704(d):

Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 1.56(c) more than thirty days prior to the filing of this information disclosure statement.

Fee Required by 37 CFR 1.97(c)(2) or 1.97(d)(2):

If checked, the fee of \$180.00 set forth in 37 CFR 1.17(p) is attached.

Docket No.: E3331.0587/P587

## Materiality:

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, this submission is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-2215, under Order No. E3331.0587/P587.

Dated: September 17, 2003

Respectfully submitted,

Joseph W. Ragusa

Begistration No.: 38,586

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PTO/SB/08a/b (05-03)

Approved for use through 05/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitu	te for form 1449/P	то	<del>-</del>	Complete if Kn wn		
				Application Number	Divisional of 09/563,461	
INF	ORMATI	ON DIS	SCLOSURE	Filing Date	Concurrently Herewith	
STA	TEMEN	T BY A	PPLICANT	First Named Inventor	Michael Togher	
				Art Unit	N/A	
	(use as man	y sheets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	4	Attorney Docket Number	E3331.0587/P587	

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-4,980,826	12/1990	Wagner	
	AB	US-5,038,284	8/1991	Kramer	
	AC	US-5,077,665	12/1991	Silverman et al.	
	AD	US-5,136,501	8/1992	Silverman et al.	
	AE	US-5,375,055	12/1994	Togher et al.	
	AF	US-6,014,627	12/1994	Togher et al.	
	AG	US-4,942,616	7/1990	Linstroth et al.	
-	AH	US-5,787,328	7/1998	Sugihara et al.	
	Al	US-5,842,178	11/1998	Giovannoli	
	AJ	US-5,802,499	9/1998	Sampson et al.	
	AK	US-5,806,050	9/1998	Shinn et al.	
	AL	5,787,402	7/1998	Potter et al.	
	AM	5,758,328	5/1998	Giovannoli	
	AN	5,727,165	3/1998	Ordish et al.	
	AO	5,655,088	8/1997	Midorikawa et al.	
	AP	5,508,913	4/1996	Yamamoto et al.	
	AQ	5,305,200	4/1994	Hartheimer et al.	
	AR	5,297,031	3/1994	Gutterman et al.	
	AS	5,298,578	2/1994	Hartheimer et al.	
	AT	5,258,908	11/1993	Hartheimer et al.	
	AU	5,195,031	3/1993	Ordish	
	AV	5,168,446	12/1992	Wiseman	
	AW	5,101,353	3/1992	Lupien et al.	
	AX	5,003,473	3/1991	Richards	
	AY	4,750,135	6/1998	Boilen	
	AZ	4,677,522	6/1987	Sibley, Jr.	
	AA1	5,963,923	10/1999	Garber	
	AB1	5,924,082	7/1999	Silverman et al.	
	AC1	5,918,218	6/1999	Harris et al.	
	AD1	5,915,245	6/1999	Patterson, Jr. et al.	
		5,297,032	3/1994	Trojan et al.	
	AF1	5,267,148	11/1993	Kosaka et al.	
	AG1	4,903,201	2/1990	Wagner	
	AH1	4,674,044	6/1987	Kalmus et al.	
	Al1	4,412,287	10/1983	Braddock, III	
		3,573,747	4/1971	Adams et al.	
	AK1	5,243,331	9/1993	McCausland et al.	

		FOREI	GN PATENT	DOC	UMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA	0 411 748	May 1990	ΕP	<del></del>	<del>                                     </del>	$\vdash$
	BB	0 512 702	April 1992	EΡ			

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Substitute	e for form 1449/PTC	)		Complete if Known		
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STA	TEMENT	BY A	APPLICANT	First Named Inventor	Michael Togher	
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	(use as many	sheets as	necessary)	Examiner Name	Not Yet Assigned	
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BC	0 407 026	Jan. 1991	EP	
BD	0 399 850	Nov. 1990	EP	
BE	0 625 275	Nov. 1994	EP	
BF	93/15467	8/1993	PCT/WIPO/WO	1
BG	96/05563	2/1996	PCT/WIPO/WO	
ВН	97/45802	12/1997	PCT/WIPO/WO	
BI	97/22072	6/1997	PCT/WIPO/WO	
BJ	97/08640	3/1997	PCT/WIPO/WO	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	CA	Declaration of William Lloyd Donner, Jan. 1998.	T
	СВ	Money Match, Functional Specification, Version 1, Aug. 1990, The Sequor Group Inc. Software Services.	
	CC	Earle, Dennis M. New Path for Trade Settlement, Wall Street Computer Review.	
	CD	Schmerken, Ivy Banks Eye Forex Matching Systems, Wall Stree Computer Review, vol. 9, No. 2, p. 45.	
·	CE	Campbell, Carl M. Jr., A Microprocessor-Based Module to Provide Security in Electronic Funds Transfer Systems, IEEE Compcon, Fall of 1979.	
	CF	Wilson, John F., On-Line International Cash Management, Annual ACM Conference, 1983.	T
	CG	Burman, Michael, Aspects of a High-Volume Producitor Online Banking System, IEEE Compcon, Spring of 1985.	
	СН	Weintraub, B.A., Managing Change in a High Dollar Electronic Funds Transfer Environmnet, IEEE Compcon, Spring of 1987.	
	CI	Sammer, Harald W. Online Stock Trading Systems: Study of an Application, IEEE Compcon, Spring of 1987.	
	CJ	Malone, Thomas W., Yates, Joanne, Benjamin, Robert I., Electronic Markets and Electronic Hierarchies, Communications of ACM, Jun. 1987.	
	CK	Clemons, E.K., Row, C., Merrill Lynch Cash Mgmt Account Financial Svc: A Case Study in Strategic Info Systems, 21st Annual Hawaii Int. Conf. on Sysm Sci. 1988 V. 4.	Γ
	CL	Finebaum, M., Information Systems in the Securities Industry, 21st Annual Hawaii Int. Conf. on System Sciences, 1988, vol. 4.	
	СМ	Sager, M.T., Competitive Alliances with Info. Tech. The Australian Retail Banking Experience, 22nd Annual Hawaii Int. Conference on System Sciences, 1989, vol. 4.	
	CN	Gutner, Tammi, Fine if You're Big, The Banker, Oct. 1988.	t
	СО	Arend, Mark, Swift Speeds up as Broker/Dealers Join, Wall Street Computer Review, Jan. 1989.	
	CP	Essinger, James, ISE'S `SAEF` Debuts to Make the Market Sound, Wall Street Computer Review, May 1989.	
	CQ	Freund, W.C., Electronic Trading and Linkages in Intn'l Equity Markets, Financial Analysis Journal, May-Jun. 1989.	-
	CR	Schmerken, Ivy, High-Tech Banks Set to Challenge Wall Street, Wall Street Computer	H

PTO/SB/08a/b (05-03)
Approved for use through 05/31/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Sheet	3	of	4	Attorney Docket Number	E3331.0587/P587	

	Review, Jul. 1989.
cs	Arend, Mark, Banks Lure Investors with High-Tech Convenience, Wall Street Computer Review, Dec. 1989.
СТ	Arend, Mark, Where Wall Street's Tending in Trading Systems Design, Wall Street Computer Review, Jun. 1990.
CU	Brennan, P.J., OTC Trading Systems Lead in Race to Automate, Wall Street Computer Review, Nov. 1990.
CV	Cody, B.J., Reducing the Costs and Risks of Trading Foreign Exchange, Wall Street Computer Review, Nov. 1990.
CW	Arend, Mark, Seer Technologies Still Learning to Fly, Wall Street Computer Review, Jun. 1991.
CX	Goodman, Ann, The MONEP: Mixing Men and Machines for Market Might, Wall Street Computer Review, Aug. 1991.
CY	Heyman, D.P., A Performance Model of the Credit Manager Algorithm, Computer Networks and ISDN Systems, Mar. 1992.
CZ	Rihaczek, Karl, Teletrust, Computer Networks and ISDN Sytems, 1987.
CA1	Hansell, Saul, The Wild, Wired World of Electronic Exchanges, Institutional Investor, Sep. 1989.
CB1	Turoff, Murray, Chinai, Sanjit, An Electronic Information Marketplace, Computer Networks and ISDN Systems, 1985.
CC1	Tulley, C., International Banking and Communications, Networks and Electronics Office Systems, 1985.
CD1	Method for Collection of Accounting Data, IBM Technical Disclosure Bulletin, 1986.
CE1	Banks Look to Build FX OrderMatching System Quotron Eyed as Vendor, Minex as Co-Sponsor?, FX Week, May 17, 1991.
CF1	TST Interviews Evan Schulman, Automated Trading Pioneer, Trading Systems Technology, Jul. 15, 1991.
CG1	Special Report: Citibank Mulls Strategy to Gain Control of Trading Systems, Trading Systems Technology, Oct. 7, 1991.
CH1	Staying in the Middle: Brokers are Fighting to Keep Their Role in the Market; Includes Related Article on Crossing Networks, Wall Street Comp. Rvw., Dec. 1991.
CI1	Technology: ABN-AMRO Signs on Dotted Line as the Twelfth EBS Member, FX Week, Dec. 14, 1992.
CJ1	Davis, Stephen G., Two Rivals to Reuters' F/X System April Launches, Bank Letter, Nov. 30, 1992.
CK1	Two Rivals to Reuters' F/X System April Launches, Wall Street Letter, Nov. 30, 1992.
CL1	Reuters to Offer Last-Trade Feed of Currency Rates, Inside Market Data, Jun. 8, 1992.
CM1	Jeffries, AZX, Others Team with Buy-Side Software System, Wall Street Letter, Jun. 8, 1992.
CN1	Clean Air Futures; Chicago Board of Trade's Proposed Emissions Credit Trading Program, Sulphur, May 1992.
CO1	Proprietary Execution: Minex Secures Asian Support for Order-Matching System, Trading Systems Technology, Jan. 27, 1992.
CP1	Goodman, Ann, New Trading Products Spawn New Systems; The Chicago Board of Trade is Building a New Electronic Trading System, Wall Street Comp. Rvw. Jan. 1992.
CQ1	Proprietary Execution: Quotron, EBS Demo Prototype of Forex Order-Matching System, Trading Systems Technology, Nov. 4, 1992.
CR1	Eleven Banks, Quotron Unveil EBS Demo Anonymous Forex Order-Matching System, FX Week, Nov. 1, 1991.

PTO/SB/08a/b (05-03)
Approved for use through 05/31/2003. OMB 0651-0031
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Sheet	4	of	4	Attorney Docket Number	E3331.0587/P587	

CS	
	for a Customer-Based System, Invstmt Dealer's Digest, Sep. 30, 1991.
CT.	· · · · · · · · · · · · · · · · · · ·
	Currency Trading System, Mag. of Comm & Options, Sep. 15, 1991.
CU	Banks Ready to Give up on Reuters, Top of the Week; p. 16, Jun. 10, 1991.
CV	
	International Japan Journal; p. 35, Dec. 1990.
CW	1 Arend, M., New Systems Lighten Load on Bank Securities Wings , Wall Street Computer
	Review, Nov. 1990.
CX	
	p. 42
CY	
CZ <sup>2</sup>	
CA	
CB:	Letter from Charles R. Hood, Esq., Re: Instinet Corporation Crossing Network, Jul. 1, 1992.
CC	Letter from Patteson Branch, Jun. 5, 1991.
CD	Letter from Patteson Branch, Re: Exchange Services, Inc., Sep. 11, 1991.
CE	
CF2	Letter from Robert A. McTamaney, Esq., Re: RMJ Securities Jan. 12, 1989.
CG	VAX-11 Version of "IBIS" Released by Tymshare, Computer World May 9, 1983.
CH	Apr. 11, 1989.
CI2	
CJ2	Schmerken, Ivy, What's Next on Wall Street's Automation Agenda? Trading Technology, Wall Street Computer Review, Apr. 1989.
CK	Debow, Y., Foreign Banks Equip for Battle in the U.S.; Includes Related Article on The Union
	Bank of Switzerland's Private Network Expansion, Dealers' Digest 1989.
CL2	Electronic Banking & Finance, July 1990, NL, pages 3-4, "Quotron Introduces New Foreign
_	Exchanges Dealing System.
CM	Herman, Tom: "The Next Voices These Traders Hear May Be A Computer – EJV Brokerage's
1	New System of Sound Recognition Matches Buy, Sell Orders"; May 29, 1991; The Wall Street
	Journal, Pages 1-2
CN:	Newman, Anne: "Nasdaq Readies Link to Global, Predawn Trading"; January 14, 1992, Asian
	Wall Street Journal, Pages 1-3

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.